

Biofuels and the State Government Fleet

The Department of General Services

Rick Shedd, Assistant Chief

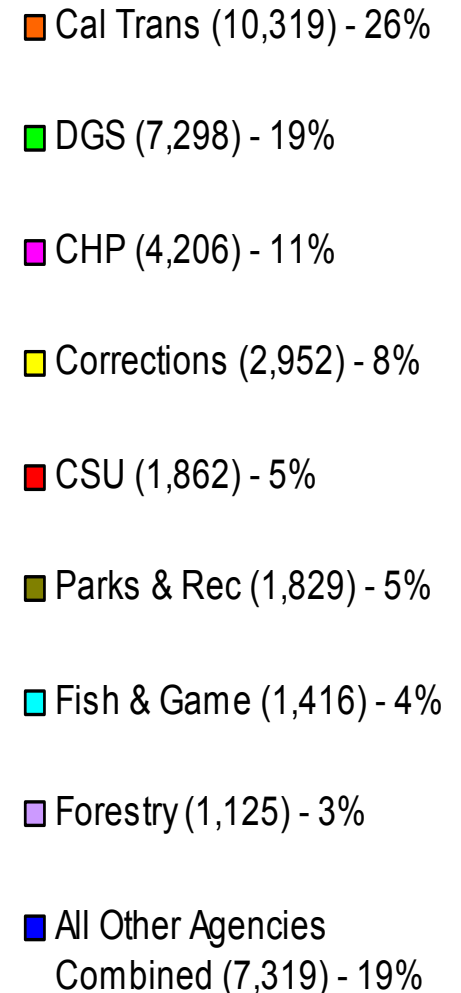
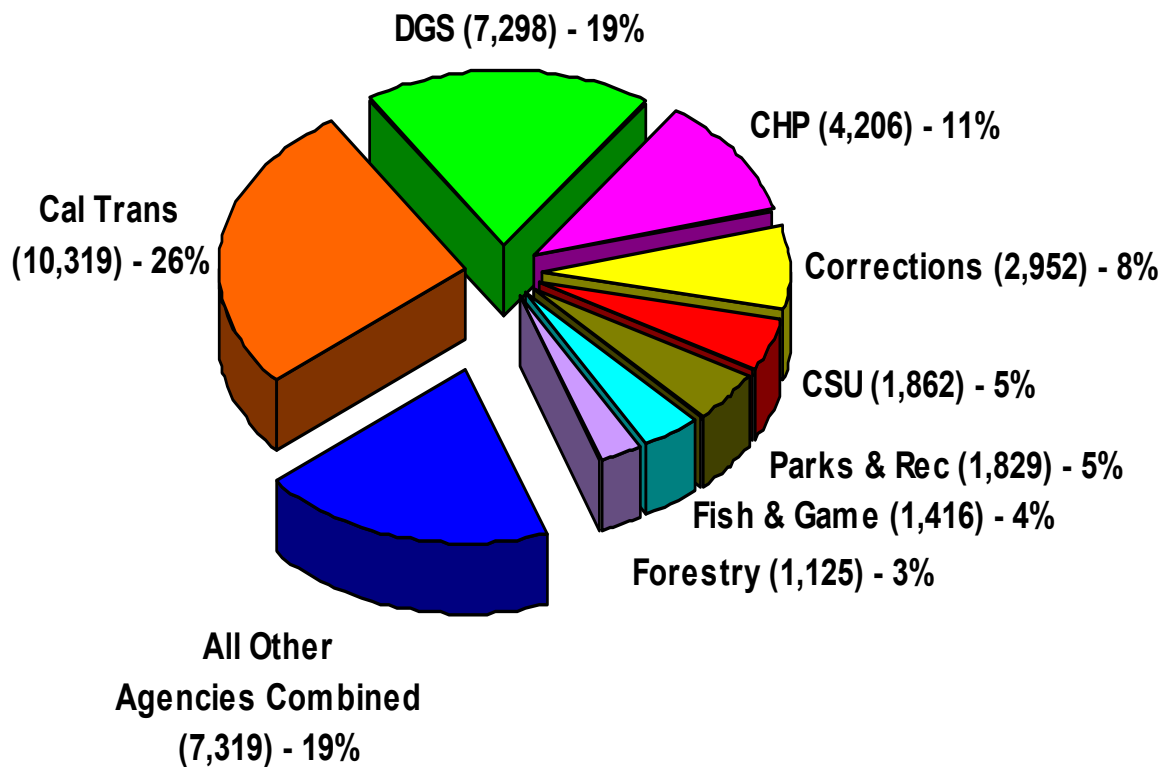
Office of Fleet and Asset Management

Richard.shedd@dgs.ca.gov (916) 928-9865

The State Fleet

2007 Passenger Vehicles by Agency

38,326 Vehicles Total



2007 State Fleet Inventory

- **29,925** (78%) Gas and Diesel
 - **7,872** (21%) Alternative Fuel
 - **529** (1%) Hybrid
 - **38,326** Total Passenger Vehicles
-
- **3,627** Passenger Vehicles Purchased

Trends in State Fleet Alternative Fuel Vehicle Segment

- 2006: 48% Flex Fuel
 - 2007: 63% Flex Fuel
 - 2008: 70% Flex Fuel (estimated)
-
- Other alternative fuel vehicles include:
compressed natural gas, propane, electric

State Fleet Fuel Purchases Fiscal Year 2007-2008

- 34 million gallons of gasoline
- 11 million gallons of diesel
- 327,174 gallons of compressed natural gas and propane (gas gallon equivalent)
- 66,183 gallons of E-85

State Fleet Fuel Purchases

Fiscal Year 2007-2008 cont.

- 42% retail purchases using the State's fuel card
- 52% bulk fuel purchases using leveraged procurement contracts
- Remaining fuel purchases were for rental cars (travel expense claims)
- Average 32,000 retail transactions per month

State Bulk Fuel Tanks

- 970 diesel
- 772 gasoline
- 9 E85 (8-10 planned for 2010)
- Range from 500 gallon above ground to 15,000 gallon underground
- DOT is transitioning to B20 and projects up to 3 million gallons of B20 in 2010

Significant Issues

- Scarce funding resources for infrastructure modernization projects
- Permitting process is lengthy, costly and unpredictable
- Limited ability to share fuel resources between state agencies
- Retail product miscoding hampers accurate tracking of E85 fuel use
- Higher cost of biodiesel

References

- State Fleet Vehicle Acquisitions Report for 2007
<http://www.documents.dgs.ca.gov/ofa/sb552/sb5522007.pdf>
- State Fleet Fuel Report FY 2007-2008
<http://www.dgs.ca.gov/FuelPurchases0708.htm>
- Fleet Cards-Reporting of Alternative Fuels
(Federal Gov Report)
<http://www.documents.dgs.ca.gov/ofa/FAMS/fleetcards.pdf>
- National Alternative Fueling Station Locator
<http://www.afdc.energy.gov/afdc/locator/stations/>